



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/730,362
Applicant: Alex Popenov, et al.
Filed: December 8, 2003
Title: METHOD AND APPARATUS FOR SPACIAL ENERGY COVERAGE
TC/A.U.: 3742
Examiner: Tu Ba Hoang
Docket Number: Serie 6290
Customer No.: 40582

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

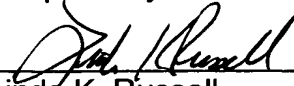
Dear Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. § 1.97 and 1.98. No fee is due at this time in accordance with 37 C.F.R. § 1.97.

However, the Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 01-1375.

To assist the Examiner, a copy of each of the non-US patent documents cited on the attached PTO Form 1449 is enclosed. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned. This paper is submitted in duplicate.

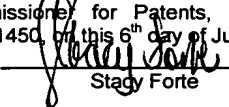
Respectfully submitted,


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Date: July 6, 2005
Air Liquide
Intellectual Property Department
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CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 6th day of July, 2005.


Stacy Forte



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

Complete if Known

Application Number	10/730,362
Filing Date	December 8, 2003
First Named Inventor	Alex Popenov
Art Unit	3742
Examiner Name	Tu Ba Hoang
Attorney Docket Number	S 6290

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 6342086	1/29/2002	Shver	Fig. 1A & 1B
	2	US- 6289035	9/11/2001	Shver	Fig. 1, 9, 11, 12
	3	US- 6614831	9/2/2003	Shver	Fig. 1, 7, 19
	4	US- 6749661	6/15/2004	Shver	Fig. 1, 6
	5	US- 9805724	10/19/2004	Shver	Fig. 1-12
	6	US- 4526531	7/2/1985	Kai	Fig. 3, 4, 10, 11
	7	US- 5802097	9/1/1998	Gensini	Fig. 1-3, 6-8, 10
	8	US- 4077614	3/7/1998	Udo	Fig. 1, 6
	9	US- 5332199	7/26/1994	Knapp	Fig. 1-3
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	10	EP 0639750	2/22/1995	Rhodes	Fig. 1-5	
	11	EP 1170385	1/9/2002	Macario	Fig. 1	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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